

# WS 10.7 Organic Nomenclature, part 2

| Name                               | Complete structural formula | Line formula | Condensed structural formula  |
|------------------------------------|-----------------------------|--------------|---|
| 1) 3-fluoro,1-butene               |                             |              | $\text{CH}_2=\text{CHCHFCH}_3$  |
| 2) 2-heptene                       |                             |              | $\text{CH}_3\text{CH}=\text{CH}(\text{CH}_2)_3\text{CH}_3$  |
| 3) 2,3-difluoro-1-pentene          |                             |              | $\text{CH}_2=\text{CFCHFCH}_2\text{CH}_3$   |
| 4) 6-iodo,4-methyl-2-decyne        |                             |              | $\text{CH}_3\text{C}\equiv\text{C}-\text{CH}(\text{CH}_3)\text{CH}_2\text{CHI}(\text{CH}_2)_3\text{CH}_3$ |
| 5) 4,4-dibromo-1,2-butandiol       |                             |              | $\text{CH}_2(\text{OH})-\text{CH}(\text{OH})-\text{CH}_2-\text{CHBr}_2$                                   |
| 6) 4-chloro-5-fluoro-2-pentene     |                             |              | $\text{CH}_2\text{FCHClCH}=\text{CHCH}_3$   |
| 7) 1,1,2-tribromoethene            |                             |              | $\text{CHBr}=\text{CBr}_2$  |
| 8) 1-butyne                        |                             |              | $\text{CH}\equiv\text{CCH}_2\text{CH}_3$  |
| 9) 2-nonyne                        |                             |              | $\text{CH}_3\text{C}\equiv\text{C}(\text{CH}_2)_5\text{CH}_3$   |
| 10) 3-bromo-5-fluoro-2-hexene      |                             |              | $\text{CH}_3\text{CH}=\text{CBrCH}_2\text{CHFCH}_3$   |
| 11) 2-chloro-4-heptanol            |                             |              | $\text{CH}_3(\text{CH}_2)_2\text{CH}(\text{OH})\text{CH}_2\text{CHClCH}_3$                                |
| 12) 2-bromopropene                 |                             |              | $\text{CH}_2=\text{CBrCH}_3$  |
| 13) 3,4-difluoro-1-pentyne         |                             |              | $\text{CH}_3\text{CHFCHFC}\equiv\text{CH}$  |
| 14) 1,1-dibromo-2-fluoro-1-octanol |                             |              | $\text{C}(\text{OH})\text{Br}_2\text{CHF}(\text{CH}_2)_4\text{CH}_2\text{CH}_3$                           |
| 15) 4-nonene                       |                             |              | $\text{CH}_3(\text{CH}_2)_3\text{CH}=\text{CH}(\text{CH}_2)_2\text{CH}_3$                                 |